PATENTS

Attorney Docket No. BOK-002.01

IN THE CLAIMS:

What is claimed is:

1. (Currently Amended) A method for providing input to a system which uses a visual display for providing user information and an indicator in the visual display for permitting user control, comprising:

      (a) choosing a feature associated with a system user;

      (b) determining a location of the feature in a video image from a video camera at an initial time;

      (c) determining a subsequent location of the feature in a video image from the video camera at a subsequent given time; and

      (d) providing input to the system in the form of a location of the indicator in the visual display at the subsequent given time based upon the location of the feature in the video image at the subsequent given time.

2. (Original) The method of claim 1, wherein in the step of choosing, the feature associated with a systems user includes one of a body, face, or article of clothing.

3. (Original) The method of claim 1 wherein in the step of choosing the feature includes a portion of a substance or device affixed to the system user.

4. (Currently Amended) The method of claim 1, wherein the step of providing input in the form of a location of the indicator includes providing vertical and horizontal coordinates of the location.

5. (Canceled)

6. (Currently Amended) The method of claim 5 1, further comprising wherein locating an indicator includes determining the indicator location at the given time based upon a location of the indicator at a previous time, and a change between a location of the feature in

the video image at the previous time and the location of the feature in the video image at the given time.

7.   (Currently Amended) The method of claim 5̶1̲, wherein the indicator location is determined at the given time based upon the location of the feature in the video image at the given time independent of previous indicator locations.

8.   (Canceled)

9.   (Canceled)

10.   (Original) The method of claim 1, wherein the system is a computer program.

11.   (Currently Amended) The method of claim 1, wherein t̶h̶e̶-a̲ ̲f̲u̲r̲t̲h̲e̲r̲ input is provided in response to the location of the feature in the video image changing by less than a defined amount during a defined period of time.

12.   (Currently Amended) The method of claim 11, wherein:
    (a)   the f̲u̲r̲t̲h̲e̲r̲ input provided is selected from a group consisting of letters, numbers, spaces, punctuation marks, other defined characters and signals associated with defined actions to be taken by the system; and
    (b)   the selection of the f̲u̲r̲t̲h̲e̲r̲ input is determined by the location of the feature in the video image.

13.   (Original) The method of claim 1, wherein the input provided is based upon a change in the location of the feature in the video image between a previous time and the given time.

14.   (Currently Amended) A̲ ̲m̲e̲t̲h̲o̲d̲ ̲f̲o̲r̲ ̲p̲r̲o̲v̲i̲d̲i̲n̲g̲ ̲i̲n̲p̲u̲t̲ ̲t̲o̲ ̲a̲ ̲s̲y̲s̲t̲e̲m̲ ̲w̲h̲i̲c̲h̲ ̲u̲s̲e̲s̲ ̲a̲ ̲v̲i̲s̲u̲a̲l̲ d̲i̲s̲p̲l̲a̲y̲ ̲f̲o̲r̲ ̲p̲r̲o̲v̲i̲d̲i̲n̲g̲ ̲u̲s̲e̲r̲ ̲i̲n̲f̲o̲r̲m̲a̲t̲i̲o̲n̲,̲ ̲c̲o̲m̲p̲r̲i̲s̲i̲n̲g̲:̲

(a) choosing a feature associated with a system user;

(b) determining a location of the feature in a video image from a video camera at an initial time;

(c) determining a subsequent location of the feature in a video image from the video camera at a subsequent given time; and

(d) providing input to the system in the form of ~~The method of claim 1, wherein the input provided at the given time is~~ an affirmative signal or a negative signal based on whether ~~the motion~~ a change in the location of the feature in the video image is in a vertical direction or a horizontal direction prior to the given time.

15.   (Canceled)

16.   (Canceled)

17.   (Canceled)

18.   (Canceled)

19.   (Canceled)

20.   (Canceled)

21.   (Canceled)

22.   (Canceled)

23.   (Canceled)

24.   (Canceled)

25.   (Canceled)

26.   (Canceled)

27.   (Canceled)

28.   (Canceled)

29.   (Canceled)

30.   (Canceled)

31.   (Canceled)

32.   (Canceled)

33.   (Canceled)

34.   (Canceled)

35.   (Canceled)

36.   (Canceled)

37.   (Canceled)

38.   (Canceled)

39.   (Canceled)

40.   (Canceled)

41.   (Canceled)

42.   (Canceled)

43.   (Canceled)

44.   (Canceled)

45.   (Canceled)

46.   (Canceled)

47.   (New) The method of claim 1, wherein the location of the indicator at the given time is determined based upon the location of the indicator at a prior time and the location of the feature in the video image at the given time.

48.   (New) A method for emulating a mouse in providing input to a system which uses a visual display for providing user information and an indicator in the visual display for permitting user control, comprising:

        (a) choosing a feature associated with a system user;

        (b) determining a location of the feature in a video image from a video camera at an initial time;

        (c) determining a subsequent location of the feature in a video image from the video camera at a subsequent given time;

        (d) emulating a use of a movement of the mouse to move the indicator in the visual display, by determining the indicator location at the given time based upon a location of the indicator at a previous time, and a change between a location of

the feature in the video image at the previous time and the location of the feature in the video image at the given time; and

(e) emulating the use of a click from the mouse to provide an input signal to the system, by providing an input signal in response to the location of the feature in the video image changing by less than a defined amount during a defined period of time.

49.   (New) The method of claim 48, wherein in the step of choosing, the feature associated with a systems user includes one of a body, face, or article of clothing.

50.   (New) The method of claim 48, wherein in the step of choosing the feature includes a portion of a substance or device affixed to the system user.

51.   (New) The method of claim 48, wherein the system is a computer program.

52.   (New) The method of claim 48, wherein:
     (a)   the input signal provided is selected from a group consisting of letters, numbers, spaces, punctuation marks, other defined characters and signals associated with defined actions to be taken by the system; and
     (b)   the selection of the input signal is determined by the location of the feature in the video image.